

Pentagon Renovation Program

June 11, 2002



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Pentagon Renovation Program Manager

<http://renovation.pentagon.mil>



KEY MILESTONES

SEPTEMBER 11, 2001





KEY MILESTONES

START DEMOLITION - OCTOBER 18, 2001





KEY MILESTONES

DEMOLITION COMPLETE - NOVEMBER 19, 2001





KEY MILESTONES

START RECONSTRUCTION - NOVEMBER 19, 2001





KEY MILESTONES

FIRST E-RING WINDOW INSTALLED - FEB 25, 2002





KEY MILESTONES

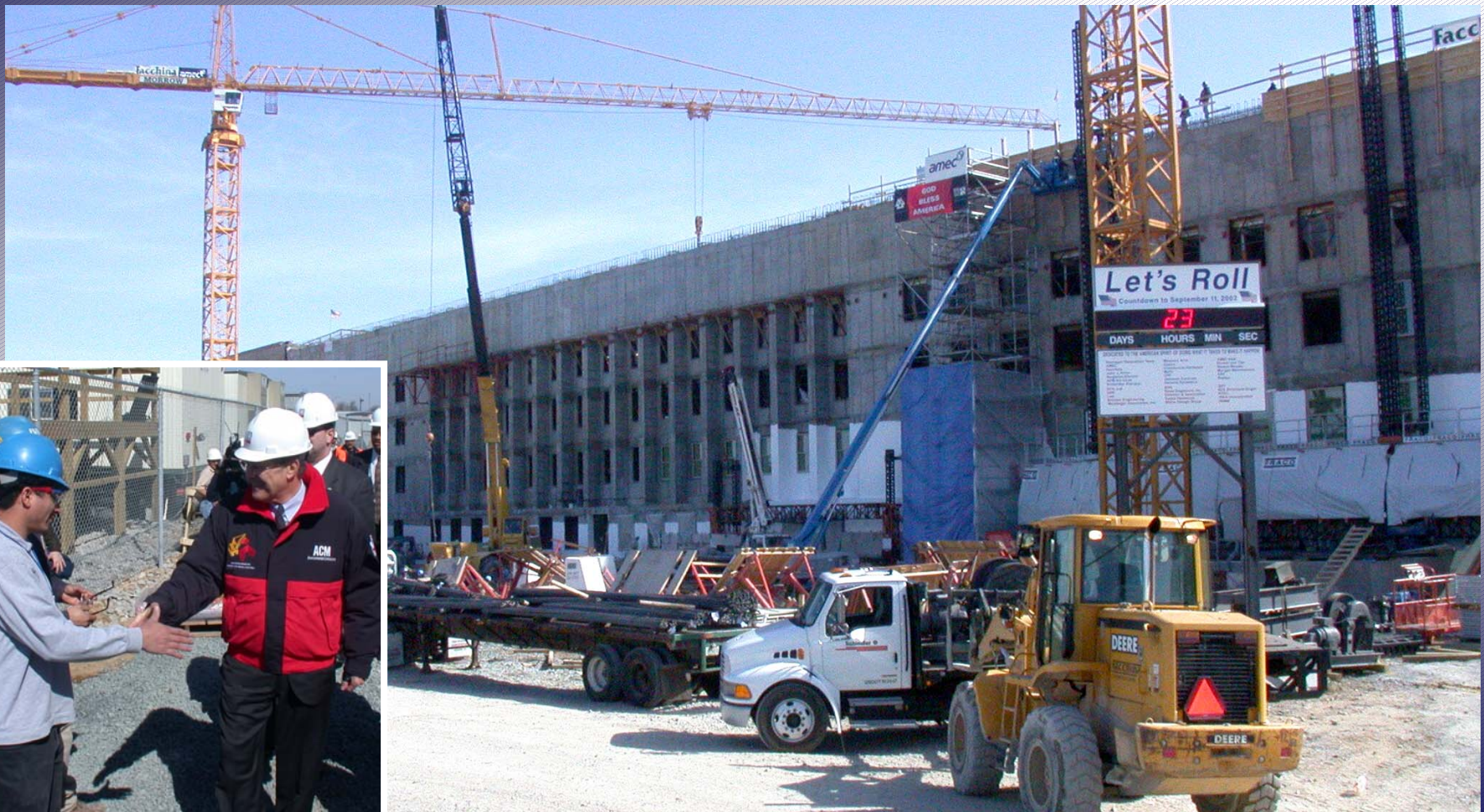
FIRST SLAB OF LIMESTONE - MARCH 4, 2002





KEY MILESTONES

SIX-MONTH ANNIVERSARY - MARCH 11, 2002





KEY MILESTONES

CONCRETE WORK COMPLETE - APRIL 5, 2002





KEY MILESTONES

JUNE 11, 2002





KEY MILESTONES

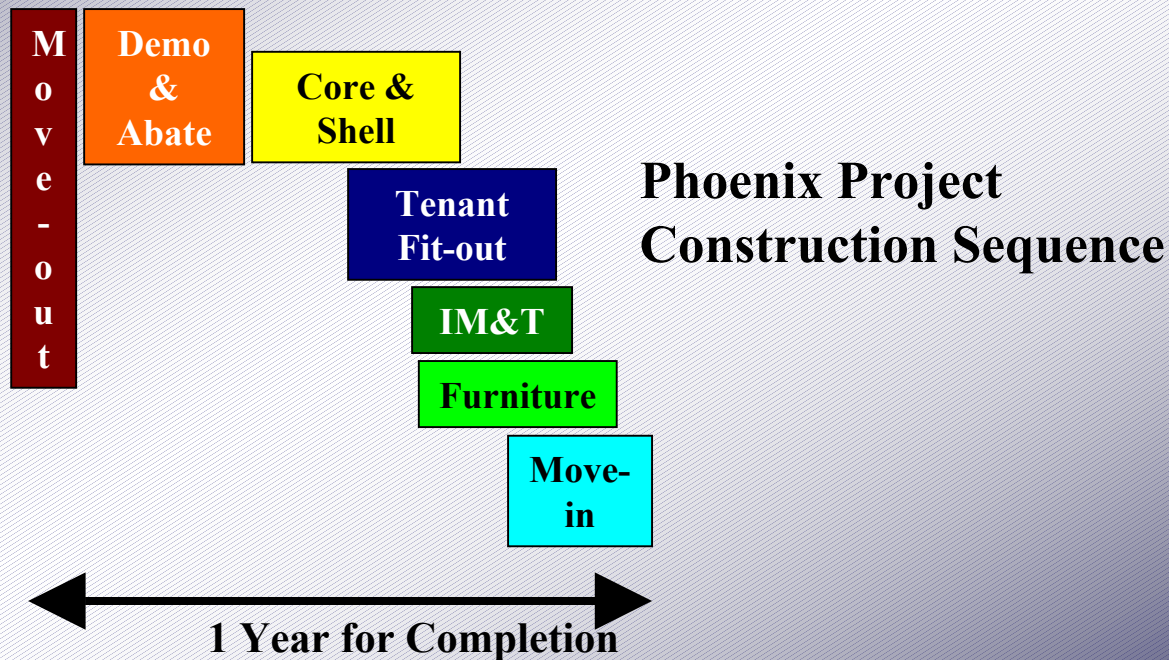
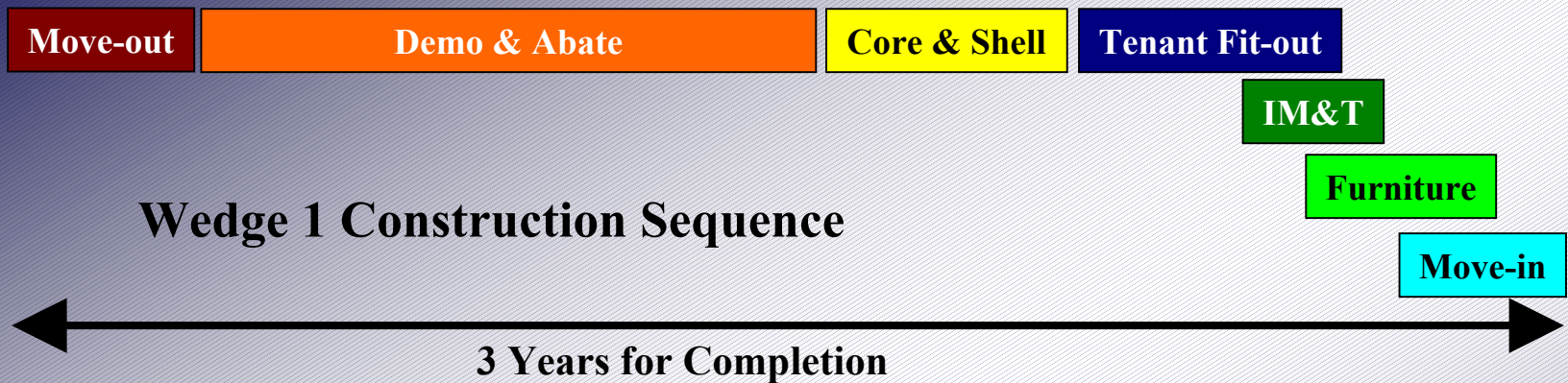
SEPTEMBER 11, 2002



Reoccupied



CONSTRUCTION PHASES





HOW WE REDUCED THE SCHEDULE

- Reduced Demolition & Abatement
- Reduced Core & Shell Construction
- Reduced Tenant Fit-out Construction
- Reduced IM&T Installation
- Reduced Furniture, Fixtures & Equip Installation

Wedge1

2 Yrs.

1.5 Yrs.

1 Yrs.

1 Yrs.

9 Mos.

Phoenix

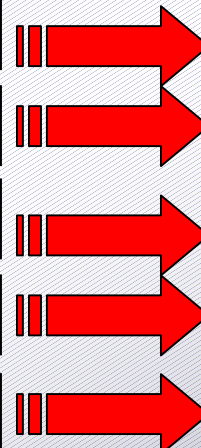
1 Mo.

5 Mos.

6 Mo.

5 Mo.

3 Mo.

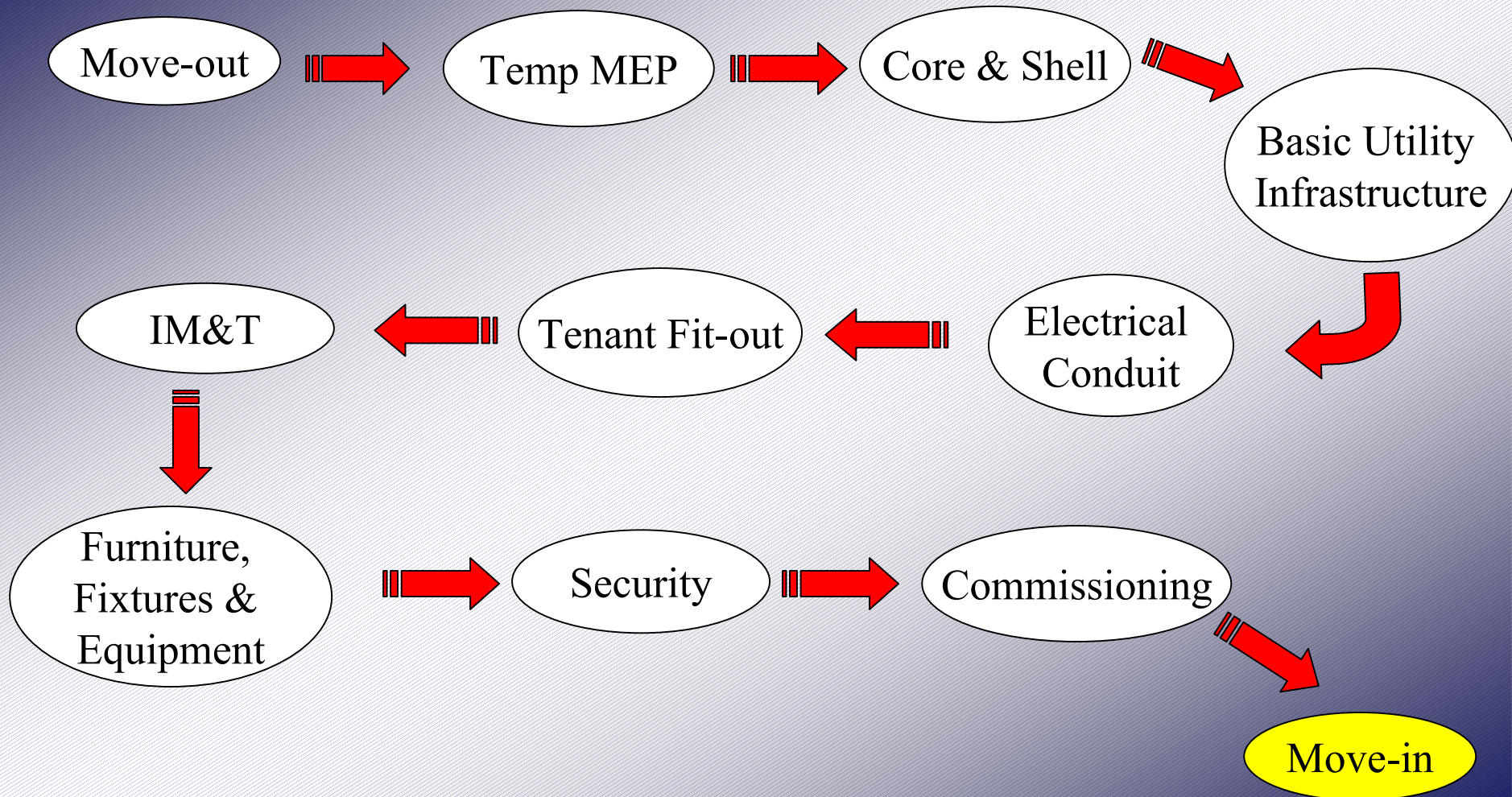


SUCCESS BASED ON:

- Coordination with stake holders
- Motivation
- Incentives
- Clear goals
- Teamwork



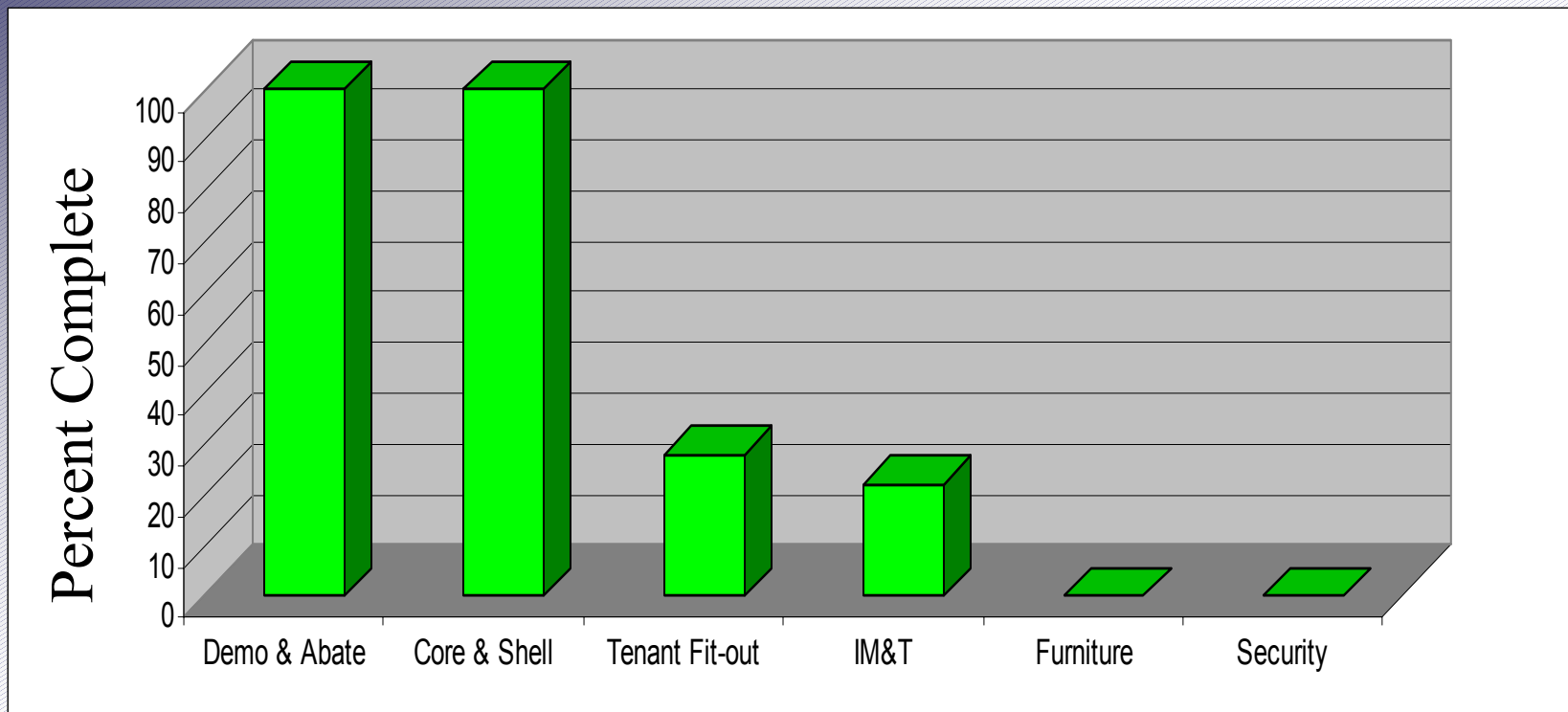
WORK SEQUENCE





WHERE ARE WE TODAY?

ENTIRE PHOENIX PROJECT

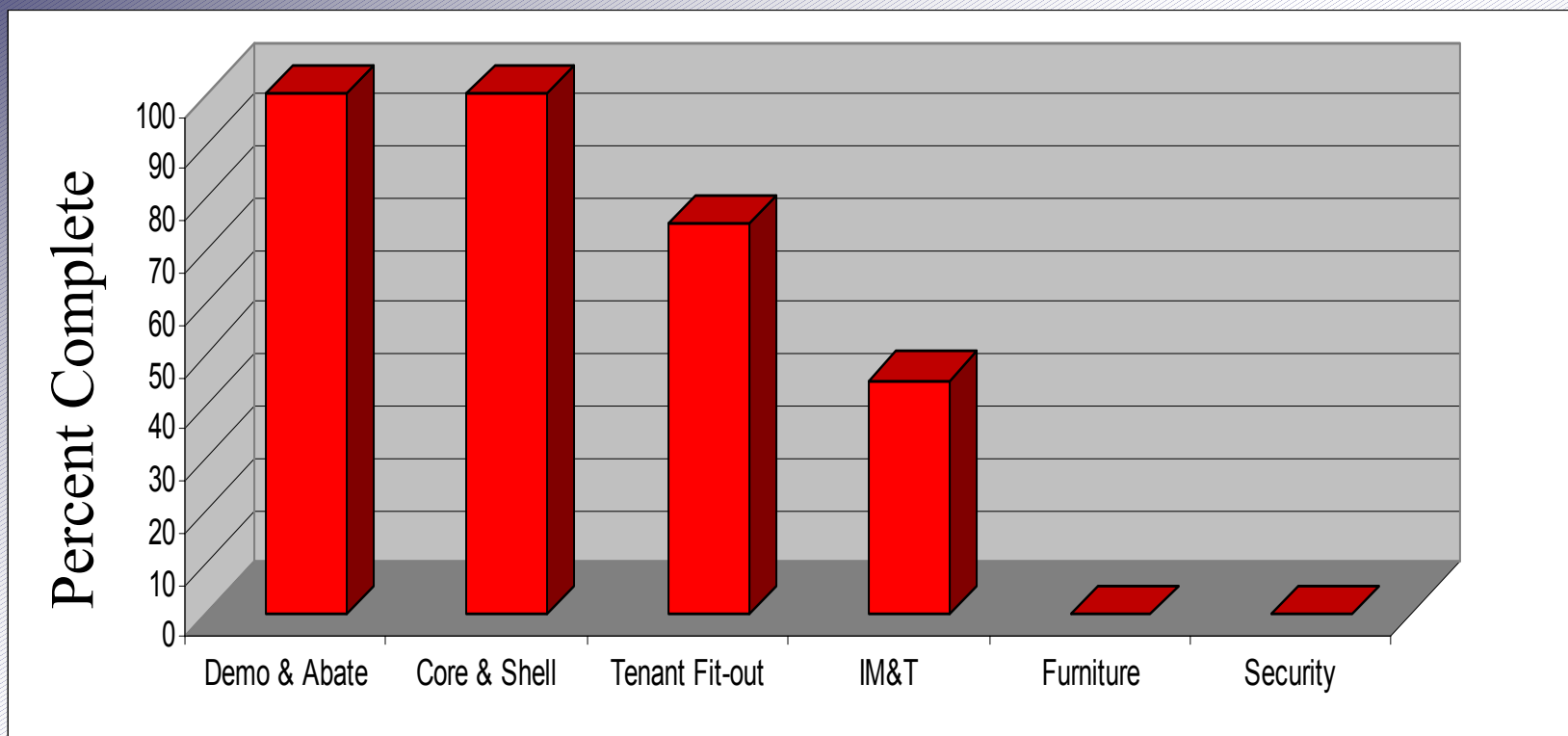


Construction Phases



WHERE ARE WE TODAY?

PHOENIX PROJECT E-RING



Construction Phases



KEY WORK ACTIVITIES

DEMOLITION & ABATEMENT





KEY WORK ACTIVITIES

CORE & SHELL CONSTRUCTION





KEY WORK ACTIVITIES



TENANT FIT-OUT





KEY WORK ACTIVITIES

INFO MGMT & TELECOMMUNICATIONS





KEY WORK ACTIVITIES

FURNITURE, FIXTURES & EQUIPMENT





COST

RECOVERY

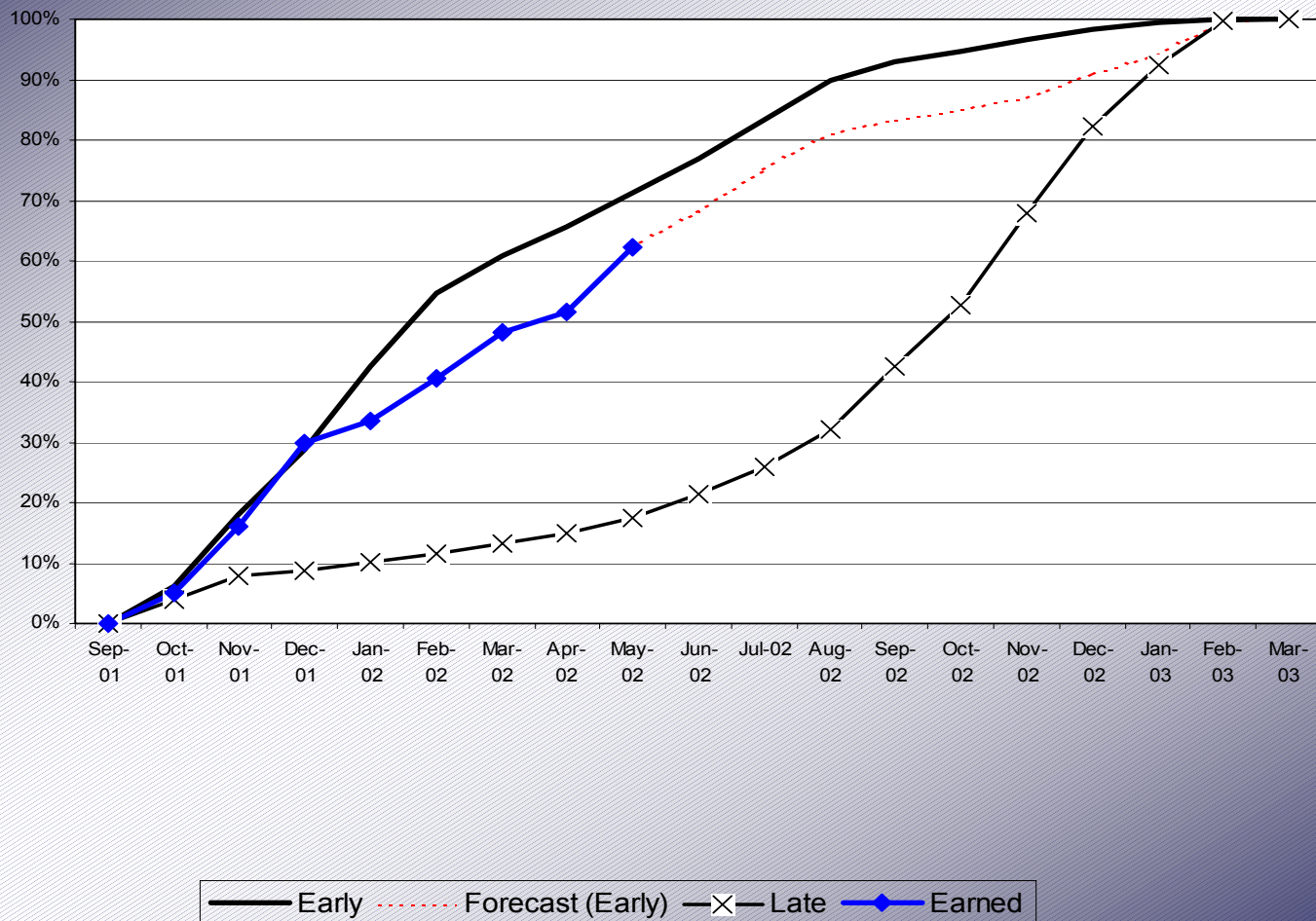
Estimated Total Cost: \$501M

Cost-to-Date: \$400M



PLANNED VS. EARNED

WEDGE 1 & PHOENIX TOTAL - PLAN VS. EARNED





FORCE PROTECTION ENHANCEMENTS



CMU Walls



FORCE PROTECTION ENHANCEMENTS

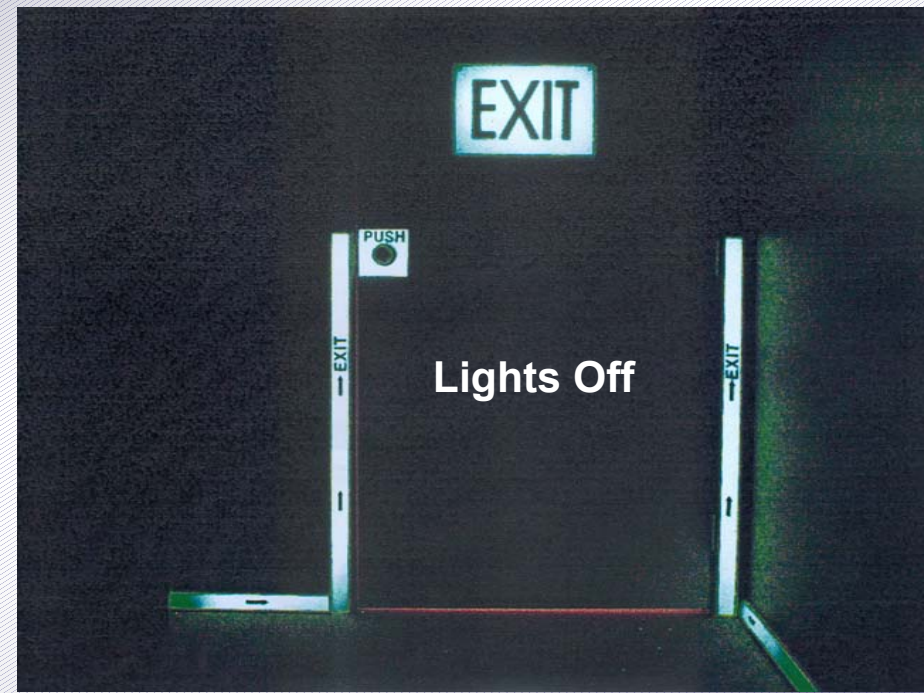
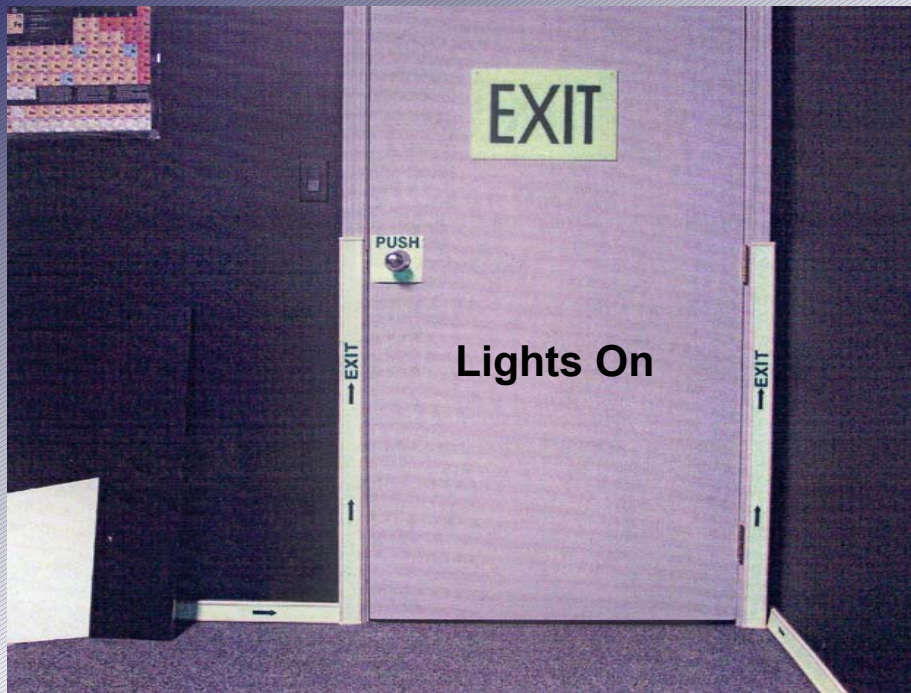


Photo-luminescent Signs



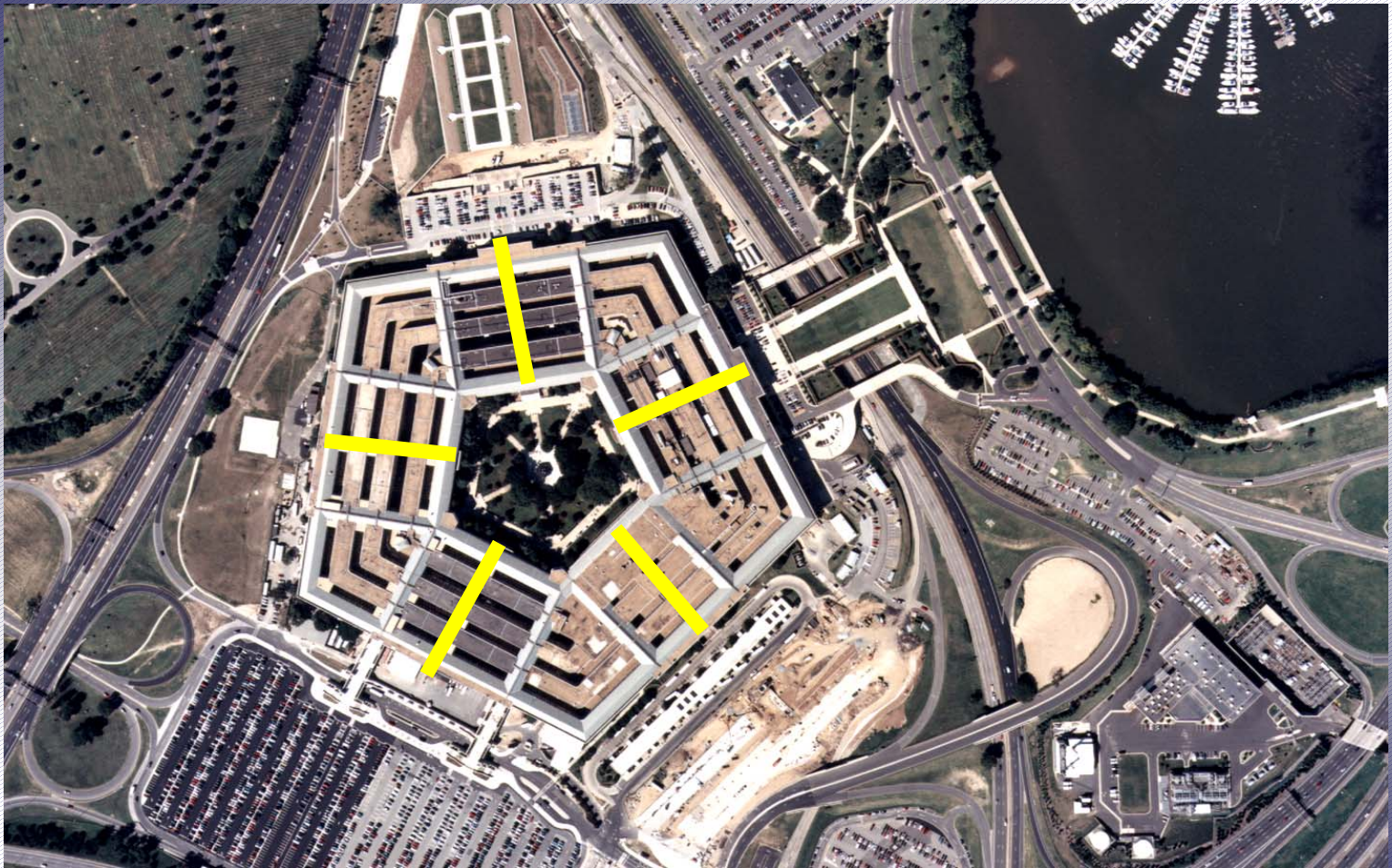
FORCE PROTECTION ENHANCEMENTS



Additional Stand Pipes



FORCE PROTECTION ENHANCEMENTS



“Half” Corridors



FORCE PROTECTION ENHANCEMENTS



Roads and Grounds Enhancements



WEDGE 2



Demolition & Abatement



WEDGE 2



Mock-up Office



WEDGE 2



Force Protection Tests



WEDGE 2



RDF Connector



WEDGE 2



Basement Segment 3A1



WEDGE 2



Basement Segment 2A1



RECONSTRUCTION SUPPORT



Pentagon Support



RECONSTRUCTION SUPPORT



Congressional Support



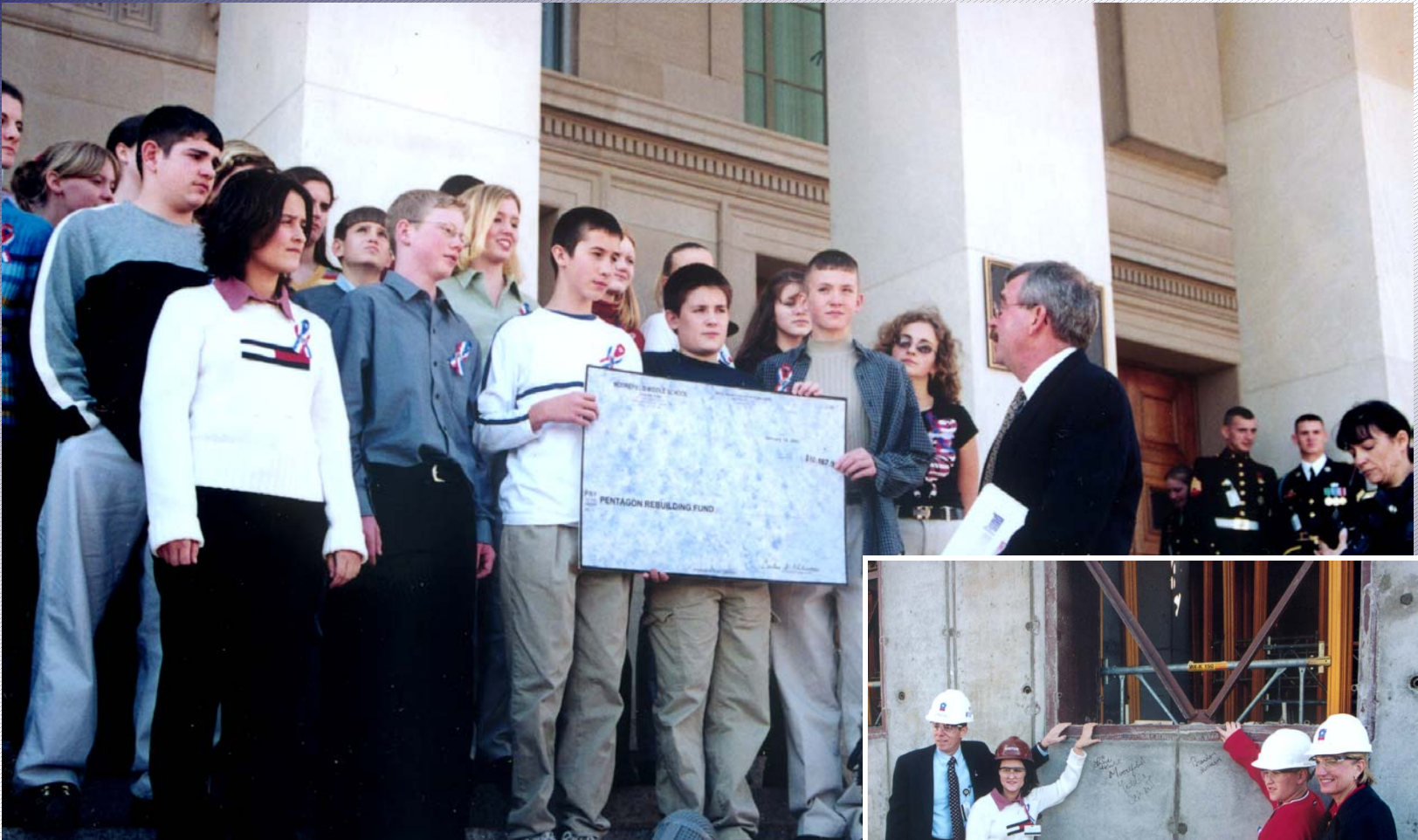
RECONSTRUCTION SUPPORT



Public Support
Officers Spouses Club, Scott Air Force Base



RECONSTRUCTION SUPPORT



Public Support
Moorefield Middle School





RECONSTRUCTION SUPPORT



Public Support

Shirley Catanzaro & Family, Scottsdale, AZ



RECONSTRUCTION SUPPORT



Public Support
Parkside Elementary School



RECONSTRUCTION SUPPORT



Industry Support
Sherwin-Williams Company





RECONSTRUCTION SUPPORT



Industry Support
Bentley Systems, Inc.



RECONSTRUCTION SUPPORT

Contractor Support

WEDGE 1 & PHOENIX

AMEC, KCE Structural Engineers, Facchina, VIKA Inc, RTK, LECS Ltd, Syska Hennessey, Stanton Engineering, John J. Kirlin, Inc, Singleton Electric, ACM Services, HDK, Law, Weidlinger Associates, Inc, Masonry Arts, Bybee Stone Co., Capco, Commercial Hardware, Mufti International, CPFEDG, Home Engineers, Inc, Oehrlein & Associates, Weihe Design Group, AMEC Earth & Environmental, Ernest Lee Tile, Roman Mosaic, Morgan Maintenance, CRT, GHT, J.C. Campos Construction, Key Woodworking.

WEDGES 2-5

Hensel Phelps Construction Co., Shalom Baranes Associates, HDR, Inc, Southland Industries, M.C. Dean, Inc, Air Services, Inc, Ammon Painting Company, Custom Walls & Windows, Inc, Dulles Drywall, Inc, EnviroBate Global, Inc, LVI Environmental Services, Inc, CAPCO Contracting Company, Inc, National Fire Protection, Inc, Performance Contracting, Inc, Studios Architecture.



MORE INFORMATION...



[HTTP://RENOVATION.PENTAGON.MIL](http://renovation.pentagon.mil)





PENTAGON MEMORIAL SITE